



**CSAM**

Centre for Sustainable  
Agricultural Mechanization



**NIAAM**

# 10<sup>th</sup> Regional Forum on Sustainable Agricultural Mechanization in Asia and the Pacific

*Gender Mainstreaming in Sustainable Agricultural Mechanization*

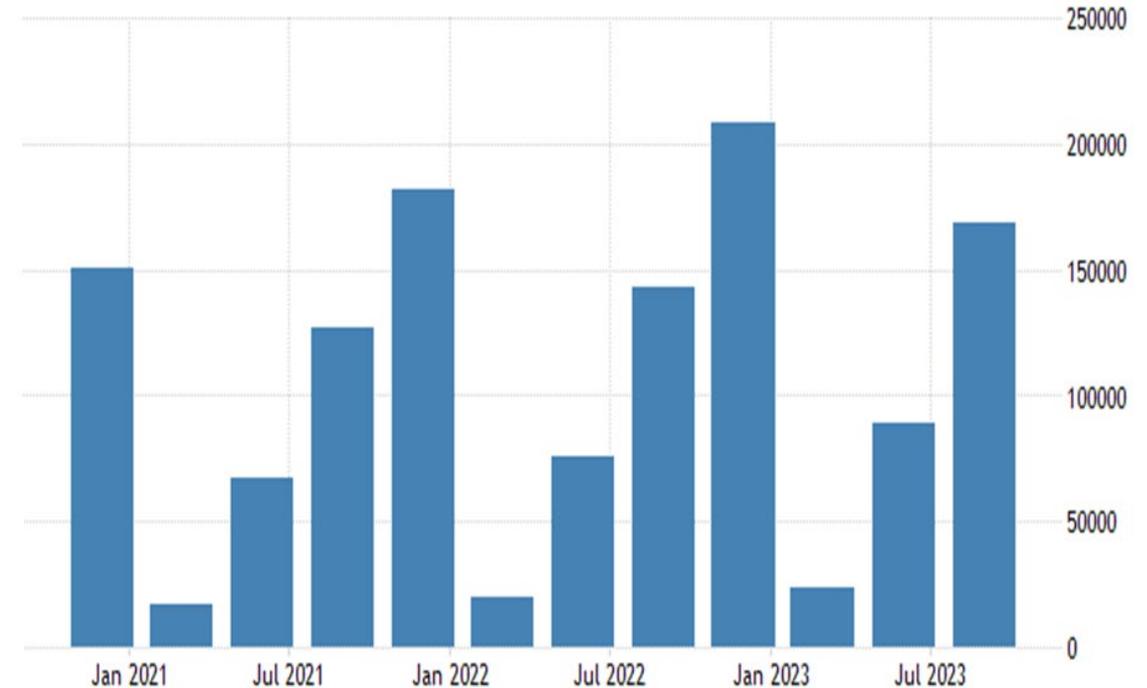
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**Title:** «**EXPANDING WOMEN'S AGRICULTURAL MECHANIZATION OPPORTUNITIES IN UZBEKISTAN**»

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## Status of agriculture, forestry and fisheries in the GDP of the Republic of Uzbekistan

At the end of 2022, the share of agriculture, forestry and fisheries in the GDP of the Republic of Uzbekistan amounted to 25.1% against 26.5% in 2021. If we consider this dynamics over the past 5 years, the share of agriculture, forestry and fisheries in GDP has decreased from 29.7% to 25.1%.



Related	Last	Previous	Unit	Reference
GDP	80.39	69.60	USD Billion	Dec 2022
GDP from Agriculture	168231.80	89119.90	UZS Billion	Sep 2023

*GDP from Agriculture in Uzbekistan increased to 168231.80 UZS Billion in the third quarter of 2023 from 89119.90 UZS Billion in the second quarter of 2023. GDP from Agriculture in Uzbekistan averaged 69681.54 UZS Billion from 2010 until 2023, reaching an all time high of 208452.90 UZS Billion in the fourth quarter of 2022 and a record low of 7565.00 UZS Billion in the first quarter of 2016.*

# Status of agricultural mechanization in Uzbekistan

- Most of agricultural machinery and technology is readily available for crop, livestock and food production
- Agricultural mechanization input into agriculture, food and agro-based industry is very low for household holders while **big farms and clusters use only mechanization in agriculture**
- Land preparation fully mechanized, significance progress in crop maintenance, manual and semi-mechanized in harvesting and post-harvest handling, wheat and cotton has achieved fairly high level of mechanization.

## Information about the agricultural machines required by the standard for cultivated areas in the republic



No.	Type and name of agricultural machines	Required equipment, pcs.	Available as of 01.07.2023, pcs	It has been used for more than 15 years	The difference compared to the norm, pcs	Supply level, %
<b>1</b>	<b>In the direction of cotton and grain growing</b>	<b>233057</b>	<b>210101</b>	<b>78255</b>	<b>- 22956</b>	<b>90.2</b>
	Tractor for plowing	6736	6355	2890	- 381	94.3
	Universal tractor for cultivation	24214	25180	9365	966	104.0
	Cotton picking machines	9350	1811	280	- 7539	19.4
	Seed drills	11167	11961	3802	794	107.1
	Such as high performance	6520	3890	883	- 2630	59.7
	Grain drills	6399	1292	381	- 5107	20.2
	Such as high performance	1100	662	25	- 438	60.2
	Cultivators	19857	22400	8360	2543	112.8
	Laser leveler	2367	974	-	- 1393	41.1
	Grain combine harvesters	3321	3962	1197	641	119.3
	Other agricultural devices	152013	137140	51980	- 14873	90.2
<b>2</b>	<b>In the direction of vegetable and melon production</b>	<b>32222</b>	<b>15657</b>	<b>2541</b>	<b>- 16665</b>	<b>48.6</b>
	Tractor for plowing	1364	912	212	- 452	66.9
	Sprayer	792	414	-	- 378	52.3
	Universal seeder	1040	45	4	- 995	4.3
	Plant potatoes	660	49	9	- 611	7.4
	Potato digger	660	56	31	- 604	8.5
	Other agricultural devices	27706	14181	2285	- 13525	51.2
<b>3</b>	<b>In the direction of the garden and vine</b>	<b>29853</b>	<b>11866</b>	<b>1465</b>	<b>- 17987</b>	<b>39.7</b>
	Mini tractor (40...60 hp)	3576	1890	441	- 1686	52.9
	Sprayer	1192	515	40	- 677	43.2
	Tractor trailer	3576	2188	69	- 1388	61.2
	Covering machines for vines	1010	13	13	- 997	1.3
	Other agricultural devices	20499	7260	902	- 13239	35.4
<b>4</b>	<b>In the field of livestock</b>	<b>30988</b>	<b>16469</b>	<b>5081</b>	<b>- 14519</b>	<b>53.1</b>
	Tractor for plowing	1584	1031	259	- 553	65.1
	Universal tractor for cultivation	2400	1466	586	- 934	61.1
	Forage harvesters and aggregates	2300	1556	374	- 744	67.7
	Straw baller	360	286	44	- 74	79.4
	Other agricultural devices	24344	12130	3818	- 12214	49.8
	<b>Total technical support:</b>	<b>334777</b>	<b>267842</b>	<b>87342</b>	<b>72027</b>	<b>80.0</b>



## Information on agricultural machines purchased in the Republic of Uzbekistan in 2017-2022



No.	The name of the regions	Total equipment purchased in 2017-2022		PURCHASED AGRICULTURAL MACHINES											
				2017		2018		2019		2020		2021		2022	
				number, pcs	value, million soum	number, pcs	value, million soum	number, pcs	value, million soum	number, pcs	value, million soum	number, pcs	value, million soum	number, pcs	value, million soum
1	Republic of Karakalpagistan	3920	556020	291	24434	545	137359	1070	222515	547	53860	929	85415	538	32437
2	Andijan province	4570	713092	565	31069	737	186772	1070	222515	537	97222	706	73564	955	101950
3	Bukhara province	4653	448605	434	29279	778	119149	1000	73730	516	113011	528	52142	1397	61294
4	Jizzakh province	4811	954190	379	36817	828	234813	761	156878	866	334212	955	64578	1022	126892
5	Kashkadarys province	5724	943153	586	38613	866	137194	875	113131	704	370691	1041	143975	1652	139550
6	Navoiy province	2093	274072	204	16028	519	118501	174	22568	275	34728	546	33994	375	48254
7	Namangan province	4731	700648	323	32370	1011	156422	797	76441	696	113066	1030	64104	874	258245
8	Samarkand province	5078	702659	424	38623	767	210920	1861	181599	794	166612	641	59861	591	45044
9	Surkhondarya province	5014	699480	1066	66323	807	226093	750	67460	501	62491	1025	102622	865	174491
10	Sirdarya province	3827	686046	1054	53959	944	144131	401	132000	435	280419	435	55702	558	19836
11	Tashkent province	4957	1788460	346	41764	1150	234856	1197	254592	563	715275	1099	63558	602	478415
12	Farg'ona province	5716	791301	564	36443	1005	216350	1055	102577	673	124748	1299	136616	1120	174567
13	Khorazim province	3664	435681	339	29428	531	45718	343	16062	400	60919	885	128105	1166	155449
<b>Total:</b>		<b>58758</b>	<b>9693407</b>	<b>6575</b>	<b>475148</b>	<b>10488</b>	<b>2168277</b>	<b>11354</b>	<b>1642068</b>	<b>7507</b>	<b>2527254</b>	<b>11119</b>	<b>1064236</b>	<b>11715</b>	<b>1816424</b>



# GENDER EQUALITY IN AGRICULTURE



*From the speech of United Nations General Secretary Antonio Guterres,*

*“where women actively participate in political and social life, the economy grows, stability is strengthened, and the well-being of citizens increases.*

<https://insonhuquqlari.uz/uz/news/m8895>

Article 58 of the Constitution of the Republic of Uzbekistan states that women and men have equal rights and that the State provides women and men with equal rights and opportunities in the management of society and state affairs, as well as in other areas of society and state life.

<https://nhrc.uz/uz/menu/hotin-izlar-uulari>

## International Day of Rural Women

According to the resolution of the United Nations General Assembly of December 18, 2007 on "Improving the situation of women in rural areas", October 15 was declared the "International Day of Rural Women".

*[<http://agroxizmat.uz/uz-UZ/15-oktabr---alkaro-kislok-aellari-kuni>]*

**ON  
THIS  
DAY**

**SOCIAL**

**PSYCHOLOGICAL**

**FINANCIAL**

**MEDICAL**

**EDUCATIONAL**

**PROBLEMS**

## WOMEN WHO LIVE IN RURAL AREAS OF UZBEKISTAN



Today, almost 9 million women live in rural areas in our country. Most of them are engaged in the agricultural sector. Only 6.5% of the existing more than 85,000 farms in our country are managed by women.



700,000 hectares of land owned by households and farms are mainly worked by women.



In small farms most of manual harvesting operations (picking fruits, cotton, strawberry) and milking are performed by women. Especially, in green house farming women's labor is used.

[https://uza.uz/oz/posts/xalqaro-forum-agrar-sohada-xotin-qizlarning-orni-qanday\\_527718](https://uza.uz/oz/posts/xalqaro-forum-agrar-sohada-xotin-qizlarning-orni-qanday_527718)



## Leader women in the agro-industrial complex of Uzbekistan

- There are more than 20 organizations (ministry, committees and agencies) in the agro-industrial complex.

- There are overall 1386 employees. Their 230 members are women and girls. Among 230 female employees, 30 women work as managers.

- In system organizations of regions and districts more than 48000 women and girls work among totally 178000 employees. From them 650 women work as managers.



## EDUCATIONAL IN AGRICULTURE



According to the decree of the President of the Republic of Uzbekistan on measures to further accelerate work on systematic support of families and women:

There are more than 200 Institutes, of which more than 23 Institutes and Universities are specialized to teach Agriculture. There are 11 Research Institutes in agriculture



Every year, based on the recommendations of the State Committee for Family and Women, the Council of Ministers of the Republic of Karakalpakstan, regional and Tashkent city administrations grant educational contracts to a total of 2,100 out of 150 socially needy family members, orphans, and student women who are deprived of their parents' care should be reimbursed at the expense of the sources without the condition of return.

50 women in bachelor's degree programs and 10 women in master's degree programs of foreign higher education institutions receive additional grants annually through the "Hope of the Country" fund.



## WOMEN CERTIFIED TO DRIVE TRACTOR AND COMBINE HARVESTERS

In the last 5 years, more than 60,000 citizens were trained and issued certificates to become tractor combine harvester drivers, of which 113 were women.



From June 1, 2022, a new procedure for vocational training of women has been introduced in state and non-state educational institutions based on the state order.



## SCIENTIFIC-RESEARCH OPPORTUNITIES

At least 200 billion soums are financed from the state budget every year in order to cover the contract fees of all women studying at the master's level of state higher education institutions.

Today, a total of 30 scientific developments, including 27 from the Ministry of Agriculture and 3 from the Ministry of Water Management, have received proposals for the implementation of scientific developments.



## Key Takeaways

Most of the present farm layout and infrastructural facilities are generally not designed for efficient use of sustainable agricultural engineering technologies.

The concept of sustainable agricultural mechanized farming is not fully understood and practiced in the agricultural sector in the country.

Lack of extension services throughout the country on sustainable agriculture. Little or no mainstreaming of Sustainable Agriculture in National Educational and Research Programs

Introduce vocational training of women

# Recommendations

## Support

- Support the Sustainable Agricultural practices to enhance agricultural production and local production of Sustainable Agricultural Equipment including smart agricultural machines, agricultural drones and etc.

## Develop

- Develop sustainable agricultural mechanization strategy in the country

## Increase

- Increase woman involvement in farm and cluster management and education

# Thank you



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